



FACT SHEET

Missouri Department of Natural Resources



FORMER AMOCO SUGAR CREEK REFINERY SUGAR CREEK, MISSOURI

JULY 1999

Introduction

The U. S. Environmental Protection Agency (EPA) Region 7 and the Missouri Department of Natural Resources (MDNR) have prepared this fact sheet to provide information to the community about additional sampling activities at the Former Amoco Sugar Creek Refinery at 1000 N. Sterling Road in Sugar Creek, Missouri. During the next few weeks, Amoco Oil Company will be collecting samples on-site and in the vicinity of the off-site plume in the Norledge area.

Norledge Area Sampling Activities

Amoco will conduct the following sampling activities in July 1999:

- Installation and sampling of temporary ground water sampling probes in several tank basins.
- Sampling of surface and subsurface soil in several on-site tank basins.
- Installation of three additional monitoring wells in the off-site plume area for the Enhanced Fluid Recovery (EFR) process. The EFR

process is used to remove petroleum products, contaminated ground water, and vapors from selected ground water monitoring wells.

- Sampling of all off-site wells. Samples will be analyzed for an expanded list of chemicals which will include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), total petroleum hydrocarbons (TPHs), and metals. Samples, from selected wells, will be analyzed for methyl tertiary butyl ether (MTBE).

Other Activities

MDNR conducted surface water sampling at various locations on and around the former refinery July 8, 1999. The purpose of the sampling was to identify contamination that may be discharging from the former refinery into surface water. The data collected will be used to evaluate Amoco's National Pollution Discharge Elimination System (NPDES) Permit Application, including the development of appropriate discharge monitoring parameters. Also, the data will be used to help assess potential impacts that on-site areas of contamination may be having on

surface waters.

Amoco will conduct sampling along the west bank of Sugar Creek in the Crawford area in July 1999.

Background

Amoco operated a petroleum refinery in Sugar Creek, Missouri, from approximately 1904 to 1982. In 1981, Amoco began ground water monitoring and investigation at the facility. Initial sampling at the facility found contamination of soil and ground water. Several contaminants were found, including benzene, ethylbenzene, toluene, and xylene.

In June 1989, EPA issued a consent order to Amoco regarding the former refinery. The Consent Order requires Amoco (1) to conduct short-term cleanup actions, called Interim Measures, to address potential threats to human health or the environment; (2) to conduct a comprehensive investigation, called a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), to determine the nature and extent of releases of contaminants from the facility; and (3) to identify and evaluate alternatives for the corrective action necessary to prevent or control migration or releases of contaminants from the facility. Once the corrective actions are selected, they will be incorporated into a permit or an order with MDNR or EPA.

In February 1990, Amoco entered into an Administrative Order on Consent with MDNR that specified procedures and a schedule for closure of former hazardous waste surface impoundments. The former surface impoundments consisted of a sludge pit, sludge pond, and wastewater lagoon located on the northeast portion of the

facility.

In October 1997, MDNR assumed the lead from EPA on technical issues regarding the facility. EPA continues to provide oversight and technical assistance to MDNR.

Additional Information

If you have questions about this fact sheet or would like additional information, please contact:

Shawntell Crossgrow
Community Involvement Coordinator
EPA Region 7
901 N. 5th Street
Kansas City, Kansas 66101
(913) 551-7003 or
Toll-Free: 1-800-223-0425

Brian McCurren
Missouri Department of Natural Resources
Hazardous Waste Program
P. O. Box 176
Jefferson City, MO 65102
(573) 751-3553 or
Toll-Free: 1-800-361-4827